PERIODIC TABLE OF ELEMENTS

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This proposal of New version of Periodic Table of Elements (PTE) based on electrons configuration around the axis of symmetry of the atomic nucleus. The PTE proposed that shells and orbitals are symmetrical about the nucleus axis N.A. as shown in the attached figure.

Shell/Orbital	s	p1	p2	p3	d1	d2	d3	d4	d5	f1	f2	f3	f4	f5	f6	f7
	Groups Numbers according to IUPAC version 4 May 2022															
	1	13	14	15	3	4	5	6	7							
7	87 Fr	113 Nh	114 Fl	115 Mc												
6	55 Cs	81 Tl	82 Pb	83 Bi	103 Lr	104 Rf	105 Db	106 Sg	107 Bh							
5	37 Rb	49 In	50 Sn	51 Sb	71 Lu	72 Hf	73 Ta	74 W	75 Re	89 Ac	90 Th	91 Pa	92 U	93 Np	94 Pu	95 Am
4	19 K	31 Ga	32 Ge	33 As	39 Y	40 Zr	41Nb	42 Mo	43 Tc	57 La	58 Ce	59 Pr	60	61 Pm	62 Sm	63 Eu
3	11 Na	13 Al	14 Si	15 P	21 Sc	22 Ti	23 V	24 Cr	25 Mn							
2	3 Li	5 B	6 C	7 N												
1	1 H															
N.A.	1	13	14	15	3	4	5	6	7	Lanthanoids				&	Actinoids	
	2	16	17	18	8	9	10	11	12	Lanthanoids				&	Actinoids	
1'	2 He															
2'	4 Be	8 O	9 F	10 Ne												
3'	12 Mg	16 S	17 Cl	18 Ar	26 Fe	27 Co	28 Ni	29 Cu	30 Zn							
4'	20 Ca	34 Se	35 Br	36 Kr	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	64 Ga	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb
5'	38 Sr	52 Te	53 I	54 Xe	76 Os	77 Ir	78 Pt	79 Au	80 Hg	96 Cm	97 Bk	98 Cf	99 Es	100 Fm	101 Md	102 No
6'	56 Ba	84 Po	85 At	86 Rn	108 Rs	109 Mt	110 Ds	111 Rg	112 Cn							
7'	88 Ra	116 Lv	117 Ts	118 Og												
	2	16	17	18	8	9	10	11	12							
	Groups Numbers according to IUPAC version 4 May 2022															
	S-Block	P-Block			D-Block							F-Block				